



Patent
Attorney's Docket No. 003300-293

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of) **BOX AF**
)
PER HOFVANDER, PER T. PERSSON,)
)
Application No.: 08/070,455) **Group Art Unit: 1803**
)
Filed: November 24, 1993) **Examiner: D. Fox**
)
For: GENETICALLY ENGINEERED)
MODIFICATION OF POTATO)
TO FORM AMYLOPECTIN-)
TYPE STARCH)

JUL 26 1995

RESPONSE TRANSMITTAL LETTER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is a response for the above-identified patent application.

☒ A Petition for Extension of Time is also enclosed.

☐ Also enclosed is ____.

☐ ____ verified statement(s) claiming small entity status

☐ are also enclosed ☐ were submitted previously.

☐ The earliest effective U.S. filing date of this application is before June 8, 1993. In the event that the response submitted herewith is denied entry, the Commissioner is authorized to deduct from Deposit Account No. 02-4800 the fee of ☐ \$365 ☐ \$730 for entry of the submission in accordance with 37 C.F.R. § 1.129(a).

☐ No additional claim fee is required.

☒ An additional claim fee is required, and is calculated as shown below:

AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADDT'L FEE
Total Claims	18	MINUS 20 =	-0-	x \$22 =	
Independent Claims	9	MINUS 8 =	1	x \$76 =	76.00
If Amendment adds multiple dependent claims, add \$240.00					
Total Amendment Fee					
If small entity status is claimed, subtract 50% of Total Amendment Fee					
TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT					\$76.00

622

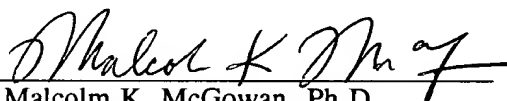
☒ [X] A claim fee in the amount of \$ 76.00 is enclosed.

☐ [] Charge \$_____ to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in triplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS

By: 
Malcolm K. McGowan, Ph.D.
Registration No. 39,300

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: July 3, 1995

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7600 102 68 183

Patent
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)

PER HOFVANDER, PER T. PERSSON,)
ANNELI TALLBERG (Deceased),)
OLLE WILSTRÖM)

Application No.: 08/070,455)

Filed: November 24, 1993)

For: GENETICALLY ENGINEERED)
MODIFICATION OF POTATO)
TO FORM AMYLOPECTIN-)
TYPE STARCH)

Group Art Unit: 1803

Examiner: D. Fox

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REPLY & AMENDMENT PURSUANT TO 37 C.F.R. §1.116

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In complete response to the Official Action mailed February 2, 1995, please
amend the above-cited application as follows:

IN THE CLAIMS

1. (Twice Amended) Method of suppressing amylose fermentation in potato,
characterized by genetically engineered modification of the potato by introducing into the
genome of the potato tissue a gene construct comprising a fragment of the potato gene
which codes for formation of granule-bound starch synthase (GBSS gene) inserted in the
antisense direction, said fragment [being selected from the group consisting of fragments

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